



TFW / 1255

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF:

VELLIYUR NOTT MALLIKARJUNA RAO ET. AL.

CASE NO.: CL2099USPCT

APPLICATION NO.: 10/523228

CONFIRMATION NO.: UNKNOWN

GROUP ART UNIT: UNKNOWN

EXAMINER: UNKNOWN

FILED: January 31, 2005

FOR: COBALT-SUBSTITUTED CHROMIUM OXIDE COMPOSITIONS, THEIR
PREPARATION, AND THEIR USE AS CATALYSTS AND CATALYST
PRECURSORS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with 37 C.F.R. §§1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office the information listed on the enclosed PTO/SB/08A and/or PTO/SB/08B forms. A copy of the information, if required, is also enclosed. Applicants note however that U.S. Application No. 10/523,227 represents a national filing of WO 2004/018396, U.S. Application No. 10/523,223 represents a national filing of WO 2004/018397 and U.S. Application No. 10/523,226 represents a national filing of WO 2004/018095; and no additional copies of those specifications are enclosed. Additional copies will be provided at the request of the Examiner. A copy of the PCT International Search Report is also enclosed. Consideration of the information is requested under 37 C.F.R. § 1.56 and this information is submitted in accord with the provisions of §1.97(b): within three months of filing the national application under 37 C.F.R. §1.53(d), or entry into the national stage under 37 C.F.R. §1.491, or before the mailing of a first Office Action on the merits, or

before the mailing of a first Office Action on the merits after filing a Request for Continued Examination under 37 C.F.R. §1.114.

If this Information Disclosure Statement is filed under §1.97(b) but the mailing date hereof is after the mailing of a first Office Action on the merits, the PTO is authorized to charge the fee set forth in 37 C.F.R. §1.17(p) to Deposit Account No. **04-1928** (E. I. du Pont de Nemours and Company) in order to complete the requirements for consideration of this Information Disclosure Statement.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'D. E. Heiser', written over a horizontal line.

DAVID E. HEISER

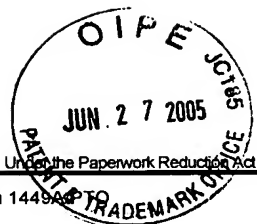
Attorney for Applicants

Registration No.: 31,366

Telephone: (302) 892-1926

Facsimile: (302) 892-7949

Dated: June 22, 2005



PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/523228
Filing Date	January 31, 2005
First Named Inventor	VELLIYUR NOTT MALLIKARJUNA RAO
Group Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	CL2099USPCT

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ²	(if known)			
		US -	3,258,500	06-28-1966	SWAMER ET. AL.	
		US -	3,992,325	11-16-1976	JOACHIM FRIEDRICH KNAAK	
		US -	5,036,036	07-30-1991	JAN J. LEROU	
		US -	2001/11061 A1	08-02-2001	SCOTT ET. AL.	
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		US -	5,559,069	09-24-1996	RAO ET. AL.	
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		US -	10/523,223			
		US -	5,345,017	09-06-1994	RAO ET. AL.	
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		US -	3,873,471	03-25-1975	KOBERSTEIN ET. AL.	
		US -	5,155,082	10-13-1992	TUNG ET. AL.	
		US -	5,446,215	08-29-1995	COOK ET. AL.	
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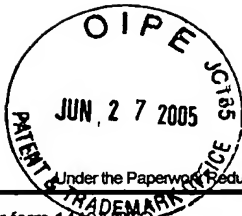
FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T _e
		CountryCode ³	Number ⁴ Kind Code ⁵				
			AU-A-80340/94	06-15-1995	ELF ATOCHEM S.A.		<input type="checkbox"/>
			AU-A-29972/92	06-10-1993-	ELF ATOCHEM S.A.		<input type="checkbox"/>
			EP 0 641 598 A2	03-08-1995	SHOWA DENKO KABUSHIKI		<input type="checkbox"/>
			EP 1 038 858 A1	09-27-2000	DAIKIN INDUSTRIES		<input type="checkbox"/>
			WO 2004/018397	03-04-2004	DU PONT		<input type="checkbox"/>
			WO 2004/018095 A1	03-04-2004	DU PONT		<input type="checkbox"/>
			WO 2004/018396 A1	03-04-2004	DU PONT		<input type="checkbox"/>
			EP 0 486 333	05-20-1992	ELF ATOCHEM S.A.		<input checked="" type="checkbox"/>
			JP 04-262372	09-17-1992	YUASA BATTERY		<input type="checkbox"/>

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 2

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First Named Inventor	VELLIYUR NOTT MALLIKARJUNA RAO ET. AL.
Group Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	CL2099USPCT

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		MUSIC ET. AL., FORMATION AND CHARACTERIZATION OF THE SOLID SOLUTIONS, J. MATERIALS SCIENCE, 1996, PAGES 4067-4076, VOL. 31	<input type="checkbox"/>
		BHATTACHARYA ET. AL., AN X-RAY DIFFRACTION AND MOSSBAUER STUDY OF NANO-CRYSTALLINE FE2O2-CR2O3 SOLID SOLUTIONS, J. MATERIALS SCIENCE, 1997, PAGES 560-577, VOL. 32	<input type="checkbox"/>
		BRACCONI ET. AL., ETUDE DES PROPRIETES STRUCTURALES DES OXYDES SPINELLES DES SYSTEMS CO-O ET, ANN. CHIM. FR., 1979, PAGES 331-338, VOL. 4	<input checked="" type="checkbox"/>
		HANCK ET. AL., STRUCTURAL AND THERMAL STABILITY STUDIES OF LIZN2CRO4 AND CO2CRO4,J. INORG. NUCL. CHEM., 1971, PAGES 63-73, VOL. 33	<input type="checkbox"/>
		CASTIGLIONI ET. AL., SYNTHESIS AND PROPERTIES OF SPINEL-TYPE CO-CU-MG-ZN-CR MIXED OXIDES, J. SOLID STATE CHEMISTRY, 2000, PAGES 526-532, VOL. 152	<input type="checkbox"/>
		NOWOTNY ET. AL., SEGREGATION AND NEAR-SURFACE DIFFUSION FOR UNDOPEDED AND CR-DOPED CoO, J. AM. CERAM. SOC., 1982, PAGES 192-196, VOL. 65	<input type="checkbox"/>
		ZHANG ET. AL., COBALT DOPED CHROMIUM OXIDES AS CATHODE MATERIALS FOR SECONDARY LITHIUM BATTERIES, JOURNAL OF POWER SOURCE, 1999, PAGES 121-127, VOL. 83	<input type="checkbox"/>
		SHANNON ET. AL., EFFECTIVE IONIC RADII IN OXIDES AND FLUORIDES, ACTA CRYSTALLOGRAPHICA, 1969, PAGES 925-945, VOL. B25	<input type="checkbox"/>
		CHEMICAL ABSTRACT VOL. 118:9 397, VOL 118, PAGE 138 (1993)	<input type="checkbox"/>
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Examiner
Signature

Date
Considered

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